



BMA BIOMEDICALS



Peninsula Laboratories

T-4591

Rabbit anti α -Neoendorphin

α -Neoendorphin is an endogenous opioid neuropeptide with a decapeptide structure. It is derived from the proteolytic cleavage of prodynorphin. Some studies revealed that α -Neoendorphin immunoreactive fibers throughout the human brainstem and it can be found in the caudal part of the solitary nucleus, in the caudal and the gelatinosa parts of the spinal trigeminal nucleus, and in the central grey matter of medulla.

This antibody was generated by immunization of rabbits with α -Neoendorphin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A09929
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against α -Neoendorphin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Tyr-Gly-Gly-Phe-Leu-Arg-Lys-Tyr-Pro-Lys-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
α -Neoendorphin	100
β -Neoendorphin	0
Leumorphin (porcine)	0
Dynorphin A 1-8	0
Dynorphin A 1-13	0
Dynorphin A	0
β -Endorphin (porcine)	0
Met-Enkephalin	0

Related Products: S-1134: ELISA, high sensitivity for extracted samples (hu)
S-1240: ELISA, extraction-free for human serum and plasma samples
S-1264: ELISA, extraction-free for rat serum and plasma samples
T-4584: anti α -Neoendorphin, neat antiserum, host: rabbit
T-4601: anti α -Neoendorphin, purified IgG, host: rabbit

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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diluted antiserum

25.11.2020